| FORM PTO-1390 (REV. 07-2005) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | EXPRESS MAIL NUMBER | ATTORNEY'S DOCKET NUMBER |
|---|---|---|---|
| **TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** | | EV 642 787 678 US | 035950/US/2 – 475396-00167 |
| | | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/567426 | |

| INTERNATIONAL APPLICATION NO. PCT/US2004/024766 | INTERNATIONAL FILING DATE August 2, 2004 | PRIORITY DATE CLAIMED August 1, 2003 |
|---|---|---|

**TITLE OF INVENTION**

**METHODS, SOFTWARE ARRANGEMENTS, STORAGE MEDIA, AND SYSTEMS FOR GENOTYPING OR HAPLOTYPING POLYMORPHIC GENETIC LOCI OR STRAIN IDENTIFICATION**

**APPLICANT(S) FOR DO/EO/US**

**VERA CHEREPINSKY and BHUBANESWAR MISHRA**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.

4. ☒ The US has been elected (Article 31).

5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))

   a. ☒ is attached hereto (required only if not communicated by the International Bureau).

   b. ☐ has been transmitted by the International Bureau.

   c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).

6. ☒ An English translation of the International Application as filed (35 U.S.C. 371(c)(2)).

   a. ☒ is attached hereto.

   b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).

7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))

   a. ☐ are attached hereto (required only if not transmitted by the International Bureau).

   b. ☐ had been communicated by the International Bureau.

   c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.

   d. ☒ have not been made and will not be made.

8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36

**Items 11 to 20. below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included

13. ☒ A preliminary amendment.

14. ☐ An Application Data Sheet under 37 CFR 1.76.

15. ☐ A substitute specification.

16. ☐ A power of attorney and/or change of address letter.

17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13*ter*.2 and 35 U.S.C. 1.821 – 1.825

18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4)

19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20. ☒ Other items or information:

   PTO-1449 form , International Search Report, International Written Opinion and Return Receipt Postcard

| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5) **10/567126** To be assigned | INTERNATIONAL APPLICATION NO. PCT/US2004/024766 | ATTORNEY'S DOCKET NUMBER 035950/US/2 – 475396-00167 | |
|---|---|---|---|
| 21.    The following fees have been submitted: | | CALCULATIONS | PTO USE ONLY |
| ☒ a) Basic national fee (37 CFR 1.492(a))................................. $300.00 | | $ 300 | |

| 22.  ☒ Examination fee (37 CFR 492(c)) | | |
|---|---|---|
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... | $0.00 | |
| All other situations.................................................................... | $200.00 | $ 200 |

| 23.  ☒ Search fee (37 CFR 1.492(b)) | | |
|---|---|---|
| If the written opinion of the ISA/US or US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)--(4) | $0.00 | |
| Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as an International Searching Authority......................... | $100.00 | |
| International Search Report prepared and provided to the Office ................. | $400.00 | |
| All other situations ................................................................... | $500.00 | $ 100 |

| TOTAL OF 21, 22 and 23 = | $ 600 | |
|---|---|---|

| ☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is **$250** for each additional 50 sheets of paper or fraction thereof. | | | | . | |
|---|---|---|---|---|---|

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round **up** to a whole number) | RATE | | |
|---|---|---|---|---|---|
| - 100 | /50 = | | x  $250.00 | | |

| Surcharge of **$130.00** for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | $ | |
|---|---|---|

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
|---|---|---|---|---|---|
| Total claims | 24 -20 = | 4 | x | $50.00 | $ 200 |
| Independent claims | 4 -3 = | 1 | x | $200.00 | $ 200 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + | $360.00 | $ |
| TOTAL OF ABOVE CALCULATIONS = | | | | | $ 1,000 |

| ☒ Applicant claims small entity status.  See 37 CFR 1.27.  The fees indicated above are reduced by ½. | 500 | |
|---|---|---|
| SUBTOTAL = | $500 | |

| Processing fee of **$130.00** for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).    + | $ | |
|---|---|---|
| TOTAL NATIONAL FEE = | $ | |

| Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **$40.00** per property    + | $ | |
|---|---|---|
| TOTAL FEES ENCLOSED = | $ 500 | |
| Amount to be refunded: | $ | |
| charged: | $ | |

| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5) | INTERNATIONAL APPLICATION NO. | ATTORNEY'S DOCKET NUMBER |
|---|---|---|
| **10/567126**<br>To be assigned | PCT/US2004/024766 | 035950/US/2 – 475396-00167 |

a. ☒ A check in the amount of **$500** to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. **50-2054** in the amount of $ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **50-2054** A duplicate coy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO: **CUSTOMER NUMBER 30873**

Dorsey & Whitney LLP
Intellectual Property Department
250 Park Avenue
New York, New York 10177

Signature

**Gary Abelev, Esq.**

Date February 1, 2006

Name

**40,479**

Registration Number

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